

ABSTRACT

The specification discloses a system for mounting a communications antenna and a solar panel on an explosion-proof housing that does not require the use of conduit ports of the explosion-proof housing. More particularly, a mast couples to the housing by way of a prescribed number of threads, the mast having a circular cross-section and an internal cavity extending along its axis. Wires extending from inside the explosion-proof housing through the mast couple to the radio antenna and the solar panel. The void within the internal diameter of the mast not occupied by the wires for the radio and solar panel is filled with a sealing compound rated for explosive environments.